



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 High Efficiency

Frame : 324T
 Output : 20 HP
 Frequency : 60 Hz
 Poles : 8
 Full load speed : 880 rpm
 Slip : 2.22 %
 Voltage : 230/460 V
 Rated current : 56.8/28.4 A
 Locked rotor current : 284/142 A
 Locked rotor current (I_L/I_n) : 5.0
 No-load current : 30.0/15.0 A
 Full load torque : 118 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 220 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 24 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 452 lb
 Moment of inertia : 9.7905 sq.ft.lb
 Noise level : 56 dB(A)

| | D.E. | N.D.E. |
|---------------------|---------|---------|
| Bearings | 6312 C3 | 6212 C3 |
| Regreasing interval | 20000 h | 20000 h |
| Grease amount | 21 g | 13 g |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.74 | 89.5 |
| 75% | 0.67 | 89.5 |
| 50% | 0.55 | 87.5 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #02009EP3E324T-W22

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